

Application No. 09/626,820  
Amendment

Customer No. 01933

Listing of Claims:

Claims 1-18 (Canceled).

19. (Currently Amended) A management object process unit comprising:

a control processing section for performing a control of selectively collecting a plurality of management objects from a managed device; and

a memory section for storing management objects collected from the managed device;

wherein the control processing section includes an object managing section for:

(i) classifying the management objects into a first type having a collection time that is shorter than a reference collection time, and a second type having a collection time that is not shorter than the reference collection time;

(ii) collecting the management objects of the first type, and storing the collected management objects of the first type;

~~(iii) performing, in response to an object collection request for a management object of the second type, a sequence of: (a) collecting the management objects of the first type from the managed device, (b) storing the collected management objects, (c) collecting the management object objects~~

Application No. 09/626,820  
Amendment

Customer No. 01933

of the requested second type after completion of the collection  
of the management objects of the first type, and ~~(d)~~ (b)  
transmitting the collected management ~~object~~ objects of the  
25 second type; and

~~(iii)~~ (iv) performing, in response to an object  
collection request for a management object of the first type, a  
sequence of: (a) retrieving from the memory section the  
management ~~object~~ objects of the requested first type, and  
30 (b) transmitting the retrieved management ~~object~~ objects of the  
first type, such that the management objects of the first type  
can be transmitted concurrently with the collection of the  
management objects of the second type.

20. (Currently Amended) A management object process unit  
comprising:

a control processing section for performing a control of  
selectively collecting a plurality of management objects from a  
5 managed device; and

a memory section for storing management objects collected  
from the managed device; and

wherein the control processing section includes an object  
managing section for:

10 (i) classifying the management objects into a first  
type having a collection time that is shorter than a reference

Application No. 09/626,820  
Amendment

Customer No. 01933

collection time and having an access frequency that is higher than a reference frequency, and a second type having at least one of a collection time that is not shorter than the reference

15 collection time and an access frequency that is not higher than the reference frequency;

(ii) collecting the management objects of the first type, and storing the collected management objects of the first type;

20 ~~(iii)~~ (iii) performing, in response to an object collection request for a management object of the second type, a sequence of: (a) ~~collecting the management objects of the first type from the managed device,~~ (b) ~~storing the collected management objects,~~ (c) collecting the management object objects of the requested second type after completion of the collection of the management objects of the first type, and ~~(d)~~ (b) transmitting the collected management object objects of the second type; and

30 ~~(iii)~~ (iv) performing, in response to an object collection request for a management object of the first type, a sequence of: (a) retrieving from the memory section the management object objects of the requested first type, and (b) transmitting the retrieved management object objects of the first type, such that the management objects of the first type

Application No. 09/626,820  
Amendment

Customer No. 01933

35 can be transmitted concurrently with the collection of the  
management objects of the second type.

21. (Currently Amended) A management object process unit  
comprising:

a control processing section for performing a control of  
selectively collecting a plurality of management objects from a  
5 managed device; and

a memory section for storing management objects collected  
from the managed device;

wherein the control processing section includes an object  
managing section for:

10 (i) classifying the management objects into a first  
type having a collection time that is shorter than a reference  
collection time and having a value change frequency that is  
higher than a reference frequency, and a second type having at  
least one of a collection time that is not shorter than the  
15 reference collection time and a value change frequency that is  
not higher than the reference frequency;

(ii) collecting the management objects of the first  
type, and storing the collected management objects of the first  
type;

20 ~~(iii)~~ (iii) performing, in response to an object  
collection request for a management object of the second type, a

Application No. 09/626,820  
Amendment

Customer No. 01933

sequence of: (a) ~~collecting the management objects of the first type from the managed device, (b) storing the collected management objects in the memory section, (c) collecting the~~  
25 management ~~object~~ objects of the requested second type after completion of the collection of the management objects of the first type, and ~~(d)~~ (b) transmitting the collected management ~~object~~ objects of the second type; and

~~(iii)~~ (iv) performing, in response to an object  
30 collection request for a management object of the first type, a sequence of: (a) retrieving from the memory section the management ~~object~~ objects of the requested first type, and (b) transmitting the retrieved management ~~object~~ objects of the first type, such that the management objects of the first type  
35 can be transmitted concurrently with the collection of the management objects of the second type.

22. (Currently Amended) A machine readable recording medium having a program for a management object process recorded thereon, said process comprising:

classifying the management objects into a first type having  
5 a collection time that is shorter than a reference collection time, and a second type having a collection time that is not shorter than the reference collection time;

Application No. 09/626,820  
Amendment

Customer No. 01933

collecting the management objects of the first type, and  
storing the collected management objects of the first type;

10 performing, in response to an object collection request for  
a management object of the second type, a sequence of: (a)  
~~collecting the management objects of the first type from the~~  
~~managed device, (b) storing the collected management objects, (c)~~  
collecting the management object objects of the requested second  
15 type after completion of the collection of the management objects  
of the first type, and ~~(d)~~ (b) transmitting the collected  
management object objects of the second type; and

performing, in response to an object collection request for  
a management object of the first type, a sequence of: (a)  
20 retrieving from the memory section the management object objects  
of the requested first type, and (b) transmitting the retrieved  
management object objects of the first type, such that the  
management objects of the first type can be transmitted  
concurrently with the collection of the management objects of the  
25 second type.

23. (Currently Amended) A machine readable recording medium  
having a program for a management object process recorded  
thereon, said process comprising:

classifying the management objects into a first type having  
5 a collection time that is shorter than a reference collection

Application No. 09/626,820  
Amendment

Customer No. 01933

time and having an access frequency that is higher than a reference frequency, and a second type having at least one of a collection time that is not shorter than the reference collection time and an access frequency that is not higher than the

10 reference frequency;

collecting the management objects of the first type, and  
storing the collected management objects of the first type;

performing, in response to an object collection request for a management object of the second type, a sequence of: (a)

15 ~~collecting the management objects of the first type from the  
managed device, (b) storing the collected management objects, (c)~~  
collecting the management object objects of the requested second type after completion of the collection of the management objects of the first type, and ~~(d)~~ (b) transmitting the collected  
20 management object objects of the second type; and

performing, in response to an object collection request for a management object of the first type, a sequence of: (a) retrieving from the memory section the management object objects of the requested first type, and (b) transmitting the retrieved

25 management object objects of the first type, such that the  
management objects of the first type can be transmitted  
concurrently with the collection of the management objects of the  
second type.

Application No. 09/626,820  
Amendment

Customer No. 01933

24. (Currently Amended) A machine readable recording medium having a program for a management object process recorded thereon, said process comprising:

classifying the management objects into a first type having  
5 a collection time that is shorter than a reference collection time and having a value change frequency that is higher than a reference frequency, and a second type having at least one of a collection time that is not shorter than the reference collection time and a value change frequency that is not higher than the  
10 reference frequency;

collecting the management objects of the first type, and  
storing the collected management objects of the first type;

performing, in response to an object collection request for a management object of the second type, a sequence of: (a)

15 ~~collecting the management objects of the first type from the managed device, (b) storing the collected management objects in the memory section, (c) collecting the management object objects of the requested second type after completion of the collection of the management objects of the first type, and (d) (b)~~

20 transmitting the collected management ~~object~~ objects of the second type; and

performing, in response to an object collection request for a management object of the first type, a sequence of: (a)  
retrieving from the memory section the management ~~object~~ objects



Application No. 09/626,820  
Amendment

Customer No. 01933

- 25 of the requested first type, and (b) transmitting the retrieved management ~~object~~ objects of the first type, such that the management objects of the first type can be transmitted concurrently with the collection of the management objects of the second type.